

Applicant: **Takahiro MATSUMURA**
Serial No.: **09/280,699**

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REMARKS

Claims 1, 4, 7 and 10 are pending in the application. New claims 16-21 were added. Therefore, claims 1, 4, 7, 10 and 16-21 are now pending.

Rejections Under 35 U.S.C. §103:

Claims 1, 4, 7 and 10 were rejected under 35 U.S.C. §103(a) as being unpatentable over **Braitberg et al.** (U.S. Patent No. 5,479,479).

Claims 1, 4, 7 and 10 were amended to further clarify the subject matter of the present invention. In particular, the "type" of portable telephone set was clarified in the amended claims to include at least a communication protocol employed by the portable telephone set. In other words, it is the communication protocol employed by the portable telephone set that is identified, and not the portable telephone set itself. This amendment is fully supported by the original disclosure on page 2, lines 8-21 of the present specification, and in the embodiments described on page 9, line 1 and after.

Braitberg et al. merely proposes a method and an apparatus for transferring digital information over an air link relative to a plurality of peripheral devices communicating with a common bus. As noted by the Examiner, **Braitberg et al.** teaches identifying the "type" of the portable telephone set.

However, the "type" of portable telephone set referred to in **Braitberg et al.** is completely different from the "type" of portable telephone set referred to in the present invention. For example, in **Braitberg et al.**, the "type" is referring to different "models" of the portable telephone set

manufactured by various manufacturers, as is evident from column 1, line 28 to column 2, line 49 of **Braitberg et al.** Hence, although the "type" may be different in **Braitberg et al.**, the different "types" of portable telephone sets employ the same communication protocol (that is, operate in conformance with the same mobile communication system).

On the other hand, in the present invention, the "type" of portable telephone set includes at least a communication protocol employed by the portable telephone set, and may include the connection system employed by the portable telephone set, as now recited in the claims. Basically, the type of identification in **Braitberg et al.** identifies the different models of the portable telephone sets which employ the same communication system, whereas the type of identification in the present invention identifies the different communication systems employed by the portable telephone sets. For at least these reasons, the present claimed invention patentably distinguishes over the prior art.

In addition, as noted by the Examiner, **Braitberg et al.** does not teach identifying the "type" of portable telephone set based on a response with respect to an operation start signal which is output to a data interface part of the portable telephone set. It is submitted that this feature, not taught in **Braitberg et al.**, is not obvious from **Braitberg et al.** since the "type" referred to in **Braitberg et al.** and the "type" referred to in the present invention are completely different, as explained above. For at least this reason, the present claimed invention patentably distinguishes over the prior art.

The Examiner also relies on the teachings of **Braitberg et al.** related to the means for identifying the type of the portable telephone set based on presenting a coded signal. However, this is completely unrelated to the features of the present invention described above.

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New Claims:

New dependent claims 16-19 were added based on the disclosures on page 2, lines 8-21 of the present specification, and in the embodiments described on page 9, line 1 and after. These new claims further define the "type" of the portable telephone set as including the connection system employed by the portable telephone set of claims 1, 4, 7 and 10. Hence, no new matter was added.

New independent claim 20 and its dependent claim 21 were added. New independent claim 20 is based on claim 4, but avoids means-plus-function language. The new claim 21 is based on the original disclosure on page 14, lines 6-11 of the present specification. Hence, no new matter was added.

New claims 16-21 distinguish over the prior art for the same reasons that claims 1, 4, 7, and 10 distinguish over the prior art, as discussed above.

Summary:

In view of the aforementioned amendments and accompanying remarks, the claims are in condition for allowance, which action, at an early date, is requested.

Attached herewith is a paper showing the amendments made to the specification and to the claims, and entitled "VERSION WITH MARKINGS TO SHOW CHANGES MADE."

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If, for any reason, it is felt that this application is not now in condition for allowance, the Examiner is requested to contact Applicants' undersigned attorney at the telephone number indicated below to arrange for an interview to expedite the disposition of this case.

Respectfully submitted,

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Enclosures: **VERSION WITH MARKINGS TO SHOW CHANGES MADE**
Petition for Extension of Time

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IN THE SPECIFICATION:

The paragraph beginning at page 2, line 8, has been amended as follows:

--In other words, conventionally, the DCE is designed depending on the type of portable telephone set to which the personal computer is coupled. For this reasons, when connecting the mobile telephone set, it is necessary to couple a DCE which is designed for the connection system and the communication protocol of the mobile telephone set between the personal computer and the mobile telephone set. On the other hand, when connecting the PHS telephone set, it is necessary to couple a DCE which is designed for the connection system and the communication protocol of the PHS telephone set between the personal computer and the PHS telephone set.--

IN THE CLAIMS:

Please AMEND claims 1, 4, 7 and 10 as follows:

1. (Amended) A telephone set identifying method for identifying a type of a portable telephone set to which a data processing apparatus is coupled, said type of the portable telephone set including at least a communication protocol employed by the portable telephone set, said telephone set identifying method comprising the steps of:

identifying the type of the portable telephone set based on a response with respect to an operation start signal which is output to a data interface part of the portable telephone set.

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4. (Amended) A telephone set type identifying apparatus for identifying a type of a portable telephone set to which a data processing apparatus is coupled, said type of the portable telephone set including at least a communication protocol employed by the portable telephone set, said telephone set type identifying apparatus comprising:

means for identifying the type of portable telephone set based on a response with respect to an operation start signal which is output to a data interface part of the portable telephone set.

7. (Amended) A PC card comprising:

a telephone set type identifying apparatus identifying a type of a portable telephone set to which a data processing apparatus is coupled, said type of the portable telephone set including at least a communication protocol employed by the portable telephone set,

said telephone set type identifying apparatus comprising:

means for identifying the type of the portable telephone set based on a response with respect to an operation start signal which is output to a data interface part of the portable telephone set.

10. (Amended) A computer-readable storage medium which stores a program for causing a computer which couples to a portable telephone set to identify a type of the portable telephone set, said type of the portable telephone set including at least a communication protocol employed by the portable telephone set, said program comprising:

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~~means for causing a procedure which causes~~ the computer to identify the type of the portable telephone set based on a response with respect to an operation start signal which is output to a data interface part of the portable telephone set.